



PO No	Supplier	Line Item No	Rel. No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit
PO039418	SAB002-VC	1	1	COD	MUHMWB1.750X1.000X96.00	UHMW 1.75x1.00x96.00 (Tolerance +/- .010) : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +.030"/NO MINUS receive ft				230	5/16/2018	230		S068433	Stock	5/4/2018	\$ 10.35 / ft
							Total:		230		230						

Plex 5/4/2018 8:00 AM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039418

Supplier: SAB002-VC
Polymershapes Distribution Canada Inc.
1665 55th Avenue
Dorval
QC
H9P 2W3 Canada
Phone: 514 422 1048
Fax: 514 422 1055

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039418
PO Date: 3/23/18
Due Date: 5/16/18
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal Phone: clavoie@dartaero.com

Via: Ground
Pymt Terms: COD
Freight Terms:
Special Comments:

E-MAILED

MAR 23 2018

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MUHMWB1.750X1.000X96.00		UHMW 1.75x1.00x96.00 (Tolerance +/- .010) : MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS THICKNESS- TOLERANCE: +0.030"/NO MINUS receive ft	Firmed	5/16/18	230 ft	0 ft 230	230 ft	\$10.34783/ft	\$2,380.00 DAS 11 9-89 MAY 04 2018

Line Item Note: 23 pcs 1" wide x 120" long

Grand Total: \$2,380.00

Order Notes

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/23/18 1:47 PM dart.lavoie.chantal

BORDEREAU D'EXPÉDITION

POLYMERSHAPES DISTRIBUTION CANADA INC.
Expédier à:
 DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A 1K7
 CANADA
 téléphone - 1 (613)
 6325200

Facturer à:
 DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A 1K7
 Canada

DATE: 01-MAY-18
ENTREPÔT: POLYMERSHAPES - MONTREAL QC
 Dorval, QC, H9P 2W3, CA,,

COMMANDÉ: 93035348
BON DE COMMANDE: PO039418
TÉL. DE LA PERSONNE-RESSOURCE: 0014005000120

MODALITÉS DE PAIEMENT: CA NET 30
MODALITÉS DE TRANSPORT: Collect Freight
REPRÉSENTANT: F.A.B.
DATE DE LA COMMANDE: 23-MAR-18
NOM POUR LIVRAISON: MONTREAL HOUSE 43135884

N° DE CONNAISSEMENT TRANSPORTEUR DE MARCHANDISES: COMMENTAIRE SUR FRAIS DE TRANSPORT:
JOURNEY CUSTOMER CHOICE - REVIEW NOTES

CATÉGORIE	NUMÉRO DE PIÈCE / DESCRIPTION DE L'ARTICLE	DATE D'EXPÉDITION	QTE COMMANDÉE	QTE EXPÉDIÉE	QTE NON EXPÉDIÉE	UDM
1	54413104-C	01-MAY-2018	1	1	0	EA

UHMW SH 1.750 48.00000 X 120.00000 BK EX | TIVAR 1000

INSTRUCTIONS SPÉCIALES: PLANED 2 SIDES +/- .010 CUT TO 23
 Numéros de LOT: PCS. 1" X 120" C OF C REQUIRED
 (1 Qté)

CUT SIZE W/ID : 48.00
 CUT SIZE L/OD : 120.00

2 99400996 01-MAY-2018 1 1 0 EA

CUTTING CHARGE

INSTRUCTIONS SPÉCIALES:

Numéros de LOT:
 (1 Qté)

2^ x 10^



Polymershapes

Certificate of Conformance

1665 55th Avenue
Dorval, Quebec,
H9P 2W3

Date: May 1/2018

Attn: RECEIVING DEPARTMENT
To: DART AEROSPACE LTD.
Address: 1270 ABERDEEN STREET
HAWKESBURY, ON.

Customer P.O. Number: PO039418
Sales Order No: 93035348
Manufacturer's Reference: 0002227718
Our Reference: MTL-106991

It is hereby certified that, to the best of Polymershapes Distribution Canada knowledge, the product information provided below conforms to the corresponding information in the possession of Polymershapes Distribution Canada with respect to such products. This certification and the sale of products are, unless otherwise agreed to in writing, subject to Polymershapes Distribution Canada standard conditions of sale. This document shall not be reproduced, except in full, without prior written approval.

Quantity	Description	Lot Number/Spec.
1 SHT	TIVAR 1000 BLACK PLATE PLANE 2 SIDES +/- .010 .750 X 48" X 120"	0007589646

Polymershapes Canada Distribution Inc.

By:

Title:

Quality Coordinator

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QUADRANT

ENGINEERING PLASTIC PRODUCTS

Quadrant EPP USA, Inc.
2120 Fairmont Avenue, P.O. Box 14235
Reading, PA 19612-4235
Phone 610-320-6600

Ship to:

Polymershapes - Dorval
1665 - 55th Avenue

Dorval, QUE H9P 2W3
Canada

Consignee: 0002000430

Sold to:

Polymershapes - Dorval
1665, 55 Avenue

Dorval, QUE H9P 2W3
Canada

Delivery address: 1A
Delivery No: 9741836

Declaration of compliance with the order according EN 10204 - 2.1

TIVAR 1000 PLATE BLACK

1.75 x 48 x 120 IN

PLANED 2 SIDES, +/- .010

Item No: 03010111838

Lot: 0007589646

Qty: 1.00 PC

Supplied against purchase order number: MTL-106991

Quadrant Order No: 0002227718

Ship date: 04/27/18

Original Production Lot: 0006773411

Date of MFG: 04/04/18

Product is known as ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE with a pigment additive.

Base resin meets ASTM D4020 with a molecular weight of 3.0 to 6.2 million G/Mol.

For specific details related to regulatory compliance, see Quadrants Regulatory Letter for this material, which is available upon request.

We hereby certify that the goods described above comply with the terms of the order contract and conform to our Product Specifications. The Quality Management System of the Quadrant EPP plants in Reading, PA, Scranton, PA, Wytheville, VA, Delmont, PA and Ft. Wayne, IN are certified according to ISO 9001. The ISO Certificate is available upon request.

CERTIFIED BY: Eric Weir
FUNCTION: Product Specification & Certification Engineer
E-MAIL: eric.weir@qplas.com
DATE: 04/27/18
DIGITAL SIGNATURE

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MUHMWB1-750X1,000X96.00 PO / BATCH NO. 039418/SD68453
 DATE: MAY 04 2018

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 230'
 QUANTITY INSPECTED: 130'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	tivar 1000 = MUHMWB100
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	LOT # 0007589646
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>MAY 04 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PURCHASE MATERIAL: UHMW BLACK TIVAR 1000 VIRGIN MATERIAL
 MANUFACTURER: POLY HI SOLDUR/QUADRANT PLASTICS
 THICKNESS - TOLERANCE: +0.030" NO MINUS

PART NUMBER: MUHMW C | TTT | WHERE TTT = THICKNESS IN 1/100 INCHES. C
 THICK | C = COLOUR (B = BLACK)
 (W = WHITE)

*Eg. 1.000" UHMW BLACK TIVAR 1000 = MUHMMWB100
 1.250" UHMW BLACK TIVAR 1000 = MUHMMWB125*

MINIMUM MATERIAL PROPERTY VALUES
 *REFERENCE DART REPORT DR-1041

YIELD TENSILE 2900 PSI
 ULTIMATE TENSILE 4600 PSI
 YIELD SHEAR 2200 PSI
 ULTIMATE SHEAR 3500 PSI
 YIELD BEARING 2800 PSI
 ULTIMATE BEARING 4200 PSI
 FLEXURAL MODULUS 105000 PSI

RELEASED
12/10/16

REV.	DESCRIPTION	BY	DATE
C	INCREASED ACCURACY OF PART NUMBER THICKNESS. "TTT" WAS "TT".	AP	12.09.27
B	REFORMAT ADDED MATERIAL REQUIREMENTS FROM D2889 MANUFACTURER UPDATED (SEE PARS 11-105)	AJS	11.06.09
A	NEW ISSUE	RF	05.03.31
DESIGN	RF	DART AEROSPACE LTD	A
DRAWN	AP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	PP	DRAWING NO.	REV. C
MFG. APPR.	NIA	MUHMW	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.		UHMW SHEET	NONE
DATE	12.09.27	COPYRIGHT © 2005 BY DART AEROSPACE LTD. THIS DOCUMENT REQUIRES ONE COPY BE HELD, WHICH IS TO BE KEPT ON FILE FOR A PERIOD OF ONE YEAR. COPIES OR OTHER VERSIONS MAY NOT BE MADE FOR ANY OTHER PURPOSE. COPIES OR OTHER VERSIONS ARE TO BE RETURNED TO THE OWNER OR DESTROYED WITHIN ONE MONTH OF RECEIPT.	